



PCT

RAW SEQUENCE LISTING

DATE: 06/06/2006

PATENT APPLICATION: US/10/541,353

TIME: 11:26:27

Input Set : A:\124238.ST25.txt

Output Set: N:\CRF4\06062006\J541353.raw

THE

3 <110> APPLICANT: BAIN, Christine
 4 INCHAUSPE, Genevieve
 5 LAVERGNE, Jean-Pierre
 6 PARROCHE, Peggy
 7 PENIN, Francois

9 <120> TITLE OF INVENTION: POLYPEPTIDES F' OF THE HEPATITIS C VIRUS, T EPITOPES, AND

10 DIAGNOSTIC AND THERAPEUTIC APPLICATIONS THEREOF

12 <130> FILE REFERENCE: 124238

14 <140> CURRENT APPLICATION NUMBER: 10/541,353

C--> 15 <141> **CURRENT FILING DATE: 2005-07-05**

17 <150> PRIOR APPLICATION NUMBER: FR03/00094

18 <151> PRIOR FILING DATE: 2003-01-07

20 <160> NUMBER OF SEQ ID NOS: 436

22 <170> SOFTWARE: PatentIn version 3.3

24 <210> SEQ ID NO: 1

25 <211> LENGTH: 99

26 <212> TYPE: PRT

27 <213> ORGANISM: Artificial Sequence

29 <220> FEATURE:

30 <223> OTHER INFORMATION: anti-HCV immunogenic peptide

33 <220> FEATURE:

34 <221> NAME/KEY: MISC_FEATURE

35 <222> LOCATION: (1)..(1)

36 <223> OTHER INFORMATION: G, D, E, V or S

38 <220> FEATURE:

39 <221> NAME/KEY: MISC_FEATURE

40 <222> LOCATION: (5)..(5)

41 <223> OTHER INFORMATION: A or V

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44 <221> NAME/KEY: MISC_FEATURE

45 <222> LOCATION: (6)..(6)

46 <223> OTHER INFORMATION: R, H or Q

48 <220> FEATURE:

49 <221> NAME/KEY: MISC_FEATURE

50 <222> LOCATION: (7)..(7)

51 <223> OTHER INFORMATION: L, R, P, S or G

53 <220> FEATURE:

54 <221> NAME/KEY: MISC_FEATURE

55 <222> LOCATION: (8)..(8)

56 <223> OTHER INFORMATION: G or E

58 <220> FEATURE:

59 <221> NAME/KEY: MISC_FEATURE

60 <222> LOCATION: (14)..(14)

CPG-6)

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61 <223> OTHER INFORMATION: R, L or H
63 <220> FEATURE:
64 <221> NAME/KEY: MISC_FEATURE
65 <222> LOCATION: (16)..(16)
66 <223> OTHER INFORMATION: L or P
68 <220> FEATURE:
69 <221> NAME/KEY: MISC_FEATURE
70 <222> LOCATION: (17)..(17)
71 <223> OTHER INFORMATION: V, E or A
73 <220> FEATURE:
74 <221> NAME/KEY: MISC_FEATURE
75 <222> LOCATION: (18)..(18)
76 <223> OTHER INFORMATION: E, V, D or G
78 <220> FEATURE:
79 <221> NAME/KEY: MISC_FEATURE
80 <222> LOCATION: (19)..(19)
81 <223> OTHER INFORMATION: G or D
83 <220> FEATURE:
84 <221> NAME/KEY: MISC_FEATURE
85 <222> LOCATION: (20)..(20)
86 <223> OTHER INFORMATION: D or V
88 <220> FEATURE:
89 <221> NAME/KEY: MISC_FEATURE
90 <222> LOCATION: (21)..(21)
91 <223> OTHER INFORMATION: N or S
93 <220> FEATURE:
94 <221> NAME/KEY: MISC_FEATURE
95 <222> LOCATION: (23)..(23)
96 <223> OTHER INFORMATION: S or F
98 <220> FEATURE:
99 <221> NAME/KEY: MISC_FEATURE
100 <222> LOCATION: (24)..(24)
101 <223> OTHER INFORMATION: P or Q
103 <220> FEATURE:
104 <221> NAME/KEY: MISC_FEATURE
105 <222> LOCATION: (26)..(26)
106 <223> OTHER INFORMATION: L, H, R, F, P or C
108 <220> FEATURE:
109 <221> NAME/KEY: MISC_FEATURE
110 <222> LOCATION: (27)..(27)
111 <223> OTHER INFORMATION: A, V or I
113 <220> FEATURE:
114 <221> NAME/KEY: MISC_FEATURE
115 <222> LOCATION: (28)..(28)
116 <223> OTHER INFORMATION: G, S, D, N, I or V
118 <220> FEATURE:
119 <221> NAME/KEY: MISC_FEATURE
120 <222> LOCATION: (31)..(31)
121 <223> OTHER INFORMATION: A, V or E

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124 <221> NAME/KEY: MISC_FEATURE
125 <222> LOCATION: (33)..(33)
126 <223> OTHER INFORMATION: P, S or T
128 <220> FEATURE:
129 <221> NAME/KEY: MISC_FEATURE
130 <222> LOCATION: (35)..(35)
131 <223> OTHER INFORMATION: L, P, H or R
133 <220> FEATURE:
134 <221> NAME/KEY: MISC_FEATURE
135 <222> LOCATION: (37)..(37)
136 <223> OTHER INFORMATION: P or L
138 <220> FEATURE:
139 <221> NAME/KEY: MISC_FEATURE
140 <222> LOCATION: (39)..(39)
141 <223> OTHER INFORMATION: T or I
143 <220> FEATURE:
144 <221> NAME/KEY: MISC_FEATURE
145 <222> LOCATION: (40)..(40)
146 <223> OTHER INFORMATION: L, P or H
148 <220> FEATURE:
149 <221> NAME/KEY: MISC_FEATURE
150 <222> LOCATION: (42)..(42)
151 <223> OTHER INFORMATION: P or L
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154 <221> NAME/KEY: MISC_FEATURE
155 <222> LOCATION: (44)..(44)
156 <223> OTHER INFORMATION: M or T
158 <220> FEATURE:
159 <221> NAME/KEY: MISC_FEATURE
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161 <223> OTHER INFORMATION: A, V or P
163 <220> FEATURE:
164 <221> NAME/KEY: MISC_FEATURE
165 <222> LOCATION: (46)..(46)
166 <223> OTHER INFORMATION: M, I or T
168 <220> FEATURE:
169 <221> NAME/KEY: MISC_FEATURE
170 <222> LOCATION: (48)..(48)
171 <223> OTHER INFORMATION: A or V
173 <220> FEATURE:
174 <221> NAME/KEY: MISC_FEATURE
175 <222> LOCATION: (49)..(49)
176 <223> OTHER INFORMATION: W, A, L or V
178 <220> FEATURE:
179 <221> NAME/KEY: MISC_FEATURE
180 <222> LOCATION: (50)..(50)
181 <223> OTHER INFORMATION: G or D
183 <220> FEATURE:

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Input Set : A:\124238.ST25.txt

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184 <221> NAME/KEY: MISC_FEATURE
185 <222> LOCATION: (52)..(52)
186 <223> OTHER INFORMATION: Q, L or R
188 <220> FEATURE:
189 <221> NAME/KEY: MISC_FEATURE
190 <222> LOCATION: (57)..(57)
191 <223> OTHER INFORMATION: H, L, P or R
193 <220> FEATURE:
194 <221> NAME/KEY: MISC_FEATURE
195 <222> LOCATION: (59)..(59)
196 <223> OTHER INFORMATION: V, A, E, K or T
198 <220> FEATURE:
199 <221> NAME/KEY: MISC_FEATURE
200 <222> LOCATION: (60)..(60)
201 <223> OTHER INFORMATION: A or V
203 <220> FEATURE:
204 <221> NAME/KEY: MISC_FEATURE
205 <222> LOCATION: (61)..(61)
206 <223> OTHER INFORMATION: L, R, H or P
208 <220> FEATURE:
209 <221> NAME/KEY: MISC_FEATURE
210 <222> LOCATION: (64)..(64)
211 <223> OTHER INFORMATION: V, A, I or G
213 <220> FEATURE:
214 <221> NAME/KEY: MISC_FEATURE
215 <222> LOCATION: (67)..(67)
216 <223> OTHER INFORMATION: P or L
218 <220> FEATURE:
219 <221> NAME/KEY: MISC_FEATURE
220 <222> LOCATION: (68)..(68)
221 <223> OTHER INFORMATION: R, Q, L, M, T, E or P
223 <220> FEATURE:
224 <221> NAME/KEY: MISC_FEATURE
225 <222> LOCATION: (71)..(71)
226 <223> OTHER INFORMATION: G or D
228 <220> FEATURE:
229 <221> NAME/KEY: MISC_FEATURE
230 <222> LOCATION: (72)..(72)
231 <223> OTHER INFORMATION: V, A or G
233 <220> FEATURE:
234 <221> NAME/KEY: MISC_FEATURE
235 <222> LOCATION: (74)..(74)
236 <223> OTHER INFORMATION: R or H
238 <220> FEATURE:
239 <221> NAME/KEY: MISC_FEATURE
240 <222> LOCATION: (75)..(75)
241 <223> OTHER INFORMATION: V or A
243 <220> FEATURE:
244 <221> NAME/KEY: MISC_FEATURE

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Input Set : A:\124238.ST25.txt

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245 <222> LOCATION: (76)..(76)
246 <223> OTHER INFORMATION: I or T
248 <220> FEATURE:
249 <221> NAME/KEY: MISC_FEATURE
250 <222> LOCATION: (79)..(79)
251 <223> OTHER INFORMATION: R, G or K
253 <220> FEATURE:
254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (82)..(82)
256 <223> OTHER INFORMATION: I or T
258 <220> FEATURE:
259 <221> NAME/KEY: MISC_FEATURE
260 <222> LOCATION: (83)..(83)
261 <223> OTHER INFORMATION: P or L
263 <220> FEATURE:
264 <221> NAME/KEY: MISC_FEATURE
265 <222> LOCATION: (84)..(84)
266 <223> OTHER INFORMATION: S or L
268 <220> FEATURE:
269 <221> NAME/KEY: MISC_FEATURE
270 <222> LOCATION: (85)..(85)
271 <223> OTHER INFORMATION: H or R
273 <220> FEATURE:
274 <221> NAME/KEY: MISC_FEATURE
275 <222> LOCATION: (86)..(86)
276 <223> OTHER INFORMATION: A or V
278 <220> FEATURE:
279 <221> NAME/KEY: MISC_FEATURE
280 <222> LOCATION: (87)..(87)
281 <223> OTHER INFORMATION: A, V or G
283 <220> FEATURE:
284 <221> NAME/KEY: MISC_FEATURE
285 <222> LOCATION: (88)..(88)
286 <223> OTHER INFORMATION: S or L
288 <220> FEATURE:
289 <221> NAME/KEY: MISC_FEATURE
290 <222> LOCATION: (90)..(90)
291 <223> OTHER INFORMATION: T or I
293 <220> FEATURE:
294 <221> NAME/KEY: MISC_FEATURE
295 <222> LOCATION: (94)..(94)
296 <223> OTHER INFORMATION: T or I
298 <220> FEATURE:
299 <221> NAME/KEY: MISC_FEATURE
300 <222> LOCATION: (95)..(95)
301 <223> OTHER INFORMATION: F, Y or S
303 <220> FEATURE:
304 <221> NAME/KEY: MISC_FEATURE
305 <222> LOCATION: (97)..(97)

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,5,6,7,8,14,16,17,18,19,20,21,23,24,26,27,28,31,33,35,37
Seq#:1; Xaa Pos. 39,40,42,44,45,46,48,49,50,52,57,59,60,61,64,67,68,71,72
Seq#:1; Xaa Pos. 74,75,76,79,82,83,84,85,86,87,88,90,94,95,97,99
Seq#:151; Xaa Pos. 1,5,6,7,8,9,11,12,13,14,15,16,18,19,20,21,22,23,25,26,27
Seq#:151; Xaa Pos. 28,29,30,31,32,35,37,40,42,43,44,45,46,49,50,51,52,53,55
Seq#:151; Xaa Pos. 57,58,59,60,61,62,63,64,66,67,68,72,73,74,76,77,78,79,82
Seq#:151; Xaa Pos. 83,84,85,86,87,88,89,90,94,95,98,99

VERIFICATION SUMMARY

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0

M:341 Repeated in SeqNo=1

L:6371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0

M:341 Repeated in SeqNo=151